

VICINITY MAP  
NOT TO SCALE

SOUNDING COLOR LEGEND

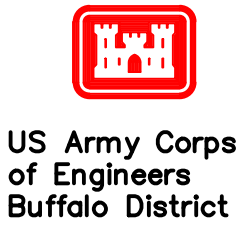
- DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
- DEPTHS AT OR BELOW PROJECT DEPTH
- PROJECT DEPTH

LEGEND OF SYMBOLS	
17+00	CHANNEL STATIONING
o 417	CHANNEL CORNER
o H.L.F.	HARBOR LINE CORNER
---	FEDERAL CHANNEL
---	HARBOR LINE
---	SUBMARINE CABLE
⚓	CAN BUOY
⚓	NUN BUOY
⚓	LIGHTED BUOY
⚓	FIXED LIGHT
⚓	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

SITE SPECIFIC NOTES:

- PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
- HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983/2011 NEW YORK STATE PLANE COORDINATE SYSTEM—WEST ZONE.
- PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
- SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON APRIL 28, 2021 USING:  
CORRECTIONS USED: RTK GPS BASE STATION  
SONAR HEAD: 200 KHZ, CEESCOPE  
4 DEGREE TRANSDUCER  
VELOCITY PROFILER; SONTEK CASTAWAY  
HYPACK SURVEY SOFTWARE  
SURVEY LAUNCH: SMOKERCRAFT
- THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
- AERIAL IMAGERY WAS OBTAINED THROUGH THE NEW YORK STATE GIS CLEARINGHOUSE.
- THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.

CHANNEL CORNERS COORDINATES		
POINT	NORTHING	EASTING
411	937851.73	998549.72
413	937489.35	998555.11
415	936172.52	999755.55
417	935109.71	1001546.27
419	935069.64	1002415.81
428	935169.54	1002420.43
426	935208.45	1001578.80
422	936250.93	999819.40
420	936376.56	999704.87
418	936599.33	999664.16
416	936760.97	999516.80
414	936870.31	999254.75
412	937417.18	998756.21
410	937854.71	998749.70



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To download an electronic version of this map, point a web browser to <http://www.usace.army.mil/Library/MapandChart.aspx>

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
BUFFALO, NEW YORK 14207-3199

CATTARAUGUS HARBOR  
CATTARAUGUS CREEK  
IRVING, NY  
PROJECT CONDITIONS SOUNDINGS 2021  
SCALE: 1"=200'

Sheet reference number  
**VH-101**  
Sheet 1 of 1